DELAWARE TECHNICAL COMMUNITY COLLEGE CHILD DEVELOPMENT CENTER PLAYGROUND RENOVATION

333 N. SHIPLEY STREET 2ND STREET & ORANGE STREET WILMINGTON, DE 19801

DELAWARE TECHNICAL COMMUNITY COLLEGE CHARLES L. TERRY JR. CAMPUS 100 CAMPUS DRIVE DOVER, DE 19904-1383

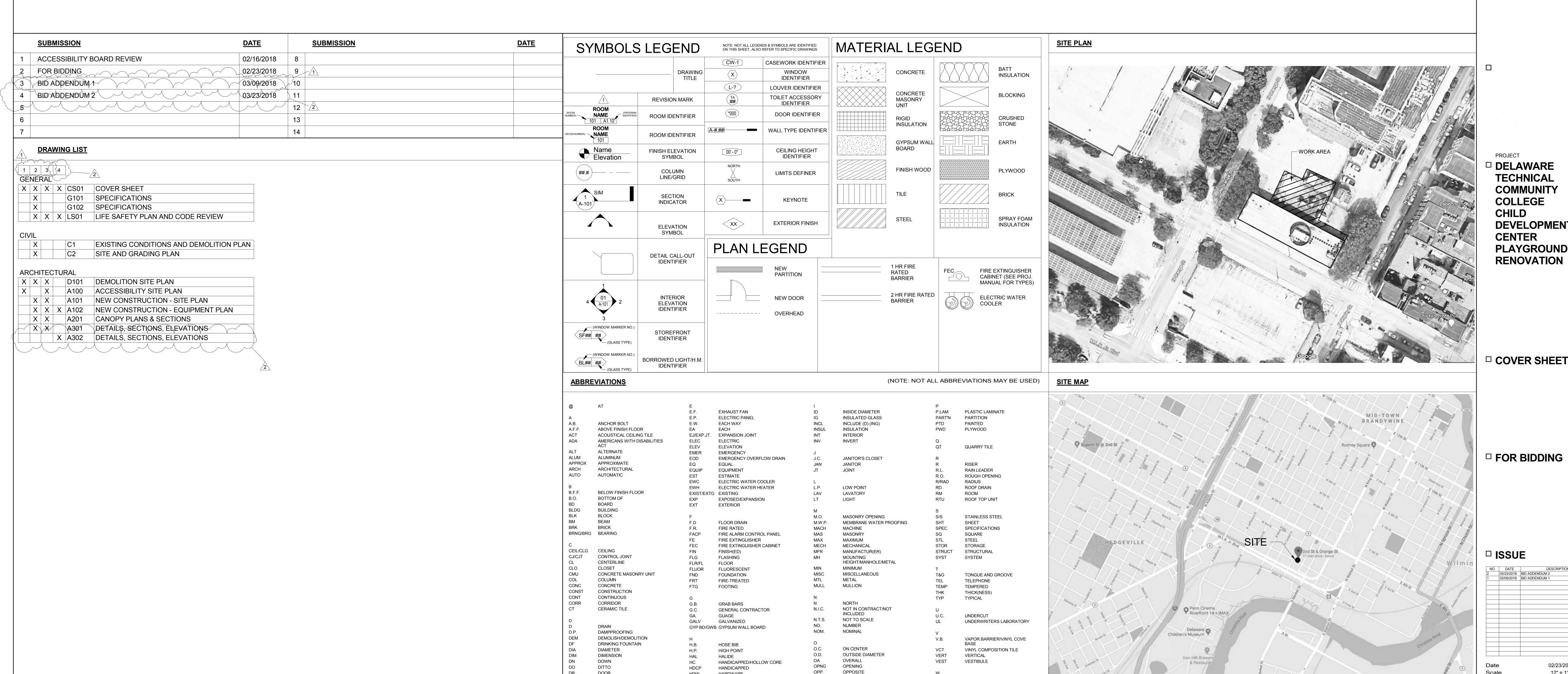
ARCHITECT **TEVEBAUGH ARCHITECTURE** TWO MILL ROAD, SUITE 210 WILMINGTON. DE 19806

CIVIL ENGINEER **DUFFIELD ASSOCIATES** 5400 LIMESTONE RD,

WILMINGTON, DE 19808

302.984.1400

302.239.6634



HDW

HOR

HGT/HT

HM/HMTL

DOWNSPOU

DETAIL

DRAWING

HARDWARE

HOLLOW METAL

HOT WATER HEATER

HORIZONTAL

HEIGHT

HOUR

WEST/WIDE/WIDTH

WITH

WITHIN

WOOD

WITHOUT

WATER CLOSET

W/IN

W/O

TEVEBAUGH (302) 984-1400 FAX (302) 984-2957

DEVELOPMENT PLAYGROUND

□ FOR BIDDING



Checked Approved

© 2018 TEVEBAUGH ARCHITECTURE

Immediately repair any holes or tears during curing period using cover material and

Curing Compound: Apply uniformly in continuous operation by power spray or roller

according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall

within three hours after initial application. Maintain continuity of coating and repair damage

a. Removal: After curing period has elapsed, remove curing compound without

4. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a

pare, clean, and install joint filler according to manufacturer's written instruction

continuous operation by power spray or roller according to manufacturer's written

instructions. Recoat areas subjected to heavy rainfall within three hours after initial

application. Repeat process 24 hours later and apply a second coat. Maintain continuity of

efer joint filling until concrete has aged at least one month. Do not fill joints until

Remove dirt, debris, saw outtings, curing compounds, and sealers from joints; leave contact faces of

Install semirigid joint filler full depth in sew-cut joints and at least 2 inches deep in formed join

Defective Concrete: Repair and patch defective areas when approved by Architect. Remove an

ing Mortar: Mix dry-pack patching mortar, consisting of one part portland cement to two

one-half parts fine aggregate passing a No. 16 sieve, using only enough water for handling and

bonding of floor covering used on Project.

coating and repair damage during curing period.

construction traffic has permanently ceased.

Overfill joint and trim joint filler flush with top of joint after hardening.

replace concrete that cannot be repaired and patched to Architect's approval

damaging concrete surfaces by method recommended by curing compound

manufacturer unless manufacturer certifies curing compound will not interfere with

during curing period.

joint clean and dry.

CONCRETE SURFACE REPAIRS

e. Flashing and drainage.

INFORMATIONAL SUBMITTALS

and components, from manufacturer.

framed entrance and storefront.

B. Qualification Data: For Installer.

Source quality-control reports.

G. Sample Warranties: For special warranties.

F. Field quality-control reports.

1.6 CLOSEOUT SUBMITTALS

quality-control program.

Preconstruction Laboratory Mockup Testing Submittals:

3. Show connection to and continuity with adjacent thermal, weather, air, and vapor

Record Drawings: As-built drawings of preconstruction laboratory mockups showing

Energy Performance Certificates: For aluminum-framed entrances and storefronts, accessories,

1. Basis for Certification: NFRC-certified energy performance values for each aluminum-

Quality-Control Program: Developed specifically for Project, including fabrication and

. Maintenance Data: For aluminum-framed entrances and storefronts to include in maintenance

B. Maintenance Data for Structural Sealant: For structural-sealant-glazed storefront to include in

maintenance manuals. Include ASTM C 1401 recommendations for post-installation-phase

installation, according to recommendations in ASTM C 1401. Include periodic quality-control

Test Reports: Prepared by a qualified preconstruction testing agency for each mockup

C. Pivot Hinges: BHMA A156.4, Grade 1.

Samples for Initial Selection: For units with factory-applied color finishes.

Testing Program: Developed specifically for Project.

changes made during preconstruction laboratory mockup testing.

Place joints perpendicular to main reinforcement. Continue reinforcement across construc

Form keyed joints as indicated. Embed keys at least 1-1/2 inches into concrete.

placements of floors and slabs.

hardened concrete surfaces

and at the top of footings or floor slabs.

partially hardened concrete surfaces.

corners, and in concealed locations where possible.

joints unless otherwise indicated. Do not continue reinforcement through sides of strain

Locate joints for beams, slabs, joists, and girders in the middle third of spans. Offset joints in

Locale horizontal joints in walls and columns at underside of floors, slabs, beams, and girders

Space vertical joints in walls as indicated. Locate joints beside piers integral with walls, ne

Use a bonding agent at locations where fresh concrete is placed against hardened or partially

Use epoxy-bonding athesive at locations where fresh concrete is placed against hardened o

girders a minimum distance of twice the beam width from a beam-girder intersection.

SECTION 033000 - CAST-IN-PLACE CONCRETE

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions

G. Form Release Agent: Commercially formulated form release agent that will not bond with, stain, or

1. Formulate form-release agent with rust inhibitor for steel form-facing materials.

on removal.

2.2 STEEL REINFORCEMENT

recycled content not less than 25 percent.

B. Reinforcing Bars: ASTM A 615/A 615M, Grade 60, deformed.

(Grade 420), deformed bars, assembled with clips.

reinforcement and complying with ASTM A 775/A 775M.

F. Plain-Steel Wire: ASTM A 82/A 82M, galvanized.

galvanized-steel wire into flat sheets.

2.3 REINFORCEMENT ACCESSORIES

__square and free of burrs___

steel wire into flat sheets.

C. Low-Alloy-Steel Reinforcing Bars: ASTM A 706/A 706M, deformed

ASTM A 767/A 767M, Class I zinc coated after fabrication and bending.

adversely affect concrete surfaces and will not impair subsequent treatments of concrete surfaces

H. Form Ties: Factory fabricated, removable or snap off metal or glass fiber reinforced plastic form

1. Furnish units that will leave no corrodible metal closer than 1 inch to the plane of exposed-

2. Furnish ties that, when removed, will leave holes no larger than 1 inch in diameter in concrete

A. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of preconsumer

D. Galvanized Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420), deformed bars,

E. Steel Bar Mats: ASTM A 184/A 184M, fabricated from ASTM A 615/A 615M, Grade 60

G. Plain-Steel Welded Wire Reinforcement: ASTM A 185/A 185M, plain, fabricated from as-drawn

H. Galvanized-Steel Welded Wire Reinforcement: ASTM A 185/A 185M, plain, fabricated from

A. Joint Dowel Bars: ASTM A 615/A 615M, Grade 60, plain steel bars, cut true to length with ends-

B. Epoxy Repair Coating: Liquid, two part, epoxy repair coating; compatible with epoxy coating on

3. Furnish ties with integral water barrier plates to walls indicated to receive dampproofing or

and Division 01 Specification Sections, apply to this Section.

PART 1 - GENERAL

1.2 SUMMARY

1.1 RELATED DOCUMENTS

-C. Zinc Repair Material: ASTM A 780, zinc-based solder, paint containing zinc dust, or sprayed zinc.

-D. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening

compressive strength than concrete and as follows:

CONCRETE MATERIALS

reinforcing bars and welded wire reinforcement in place. Manufacture bar supports from steel wire,

1. For concrete surfaces exposed to view where legs of wire bar supports contact forms, use

For zinc-coated reinforcement, use galvanized wire or dielectric-polymer-coated wire bar

Reglets: Fabricate reglets of not less than 0.022-inch thick, galvarized-steel sheet. Temporarily fill

wetail Anchor Slots: Hot-dip galvanized-steel sheet, not less than 0.034 inch thick, with

anchors. Temporarily fill or cover face opening of slots to prevent intrusion of concrete or descis.

Repair Underlayment: Cement-based, polymer-modified, self-leveling product that can be applied in

icknesses from 1/8 inch and that can be feathered at edges to match adjacent floor elevations.

3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by

4. Compressive Strength: Not less than 4100 psi at 28 days when tested according to

thicknesses from 1/4 inch and that can be filled in over a scarified surface to match adjacent floor

1. Cement Binder: ASTM C 150, portland cement or hydraulic or blended hydraulic cement as

2. Primer: Product of topping manufacturer recommended for substrate, conditions, and

3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by

4. Compressive Strength: Not less than 5000 psi at 28 days when tested according to

Prepare design mixtures for each type and strength of concrete, proportioned on the basis of

1. Use a qualified independent testing agency for preparing and reporting proposed mixture

B. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than portland

laboratory trial mixture or field test data, or both, according to ACI 301.

designs based on laboratory trial mixtures

Combined Fly Ash and Pozzolan: 25 percent.

B. Repair Overlayment: Cement-based, polymer-modified, self-leveling product that can be applied in

Cement Binder: ASTM C 150, portland cement or hydraulic or blended hydraulic cement as 3.6 STEEL REINFORCEMENT

or cover face opening of reglet to prevent intrusion of concrete or debris

underlayment manufacturer.

ASTM C 109/C 109M.

defined in ASTM C 219.

topping manufacturer.

ASTM C 109/C 109M.

2.9 CONCRETE MIXTURES, GENERAL

ement in concrete as follows:

Fly Ash: 25 percent.

CRSI Class 1 plastic-protected steel wire or CRSI Class 2 stainless-steel bar supports.

plastic, or precast concrete according to CRSI's "Manual of Standard Practice," of greater

Ground Granulated Blast-Furnace Slag: 50 percent.

exceeding 25 percent and silica fume not exceeding 10 percent.

D. Admixtures: Use admixtures according to manufacturer's written instructions.

Silica Fume: 10 percent

Combined Fly Ash or Pozzolan and Ground Granulated Blast-Furnace Slag: 50 percent

rtland cement minimum, with fly ash or pozzolan not exceeding 25 percent.

C. Limit water-soluble, chloride-ion content in hardened concrete to 0.15 percent by weight of cement.

6. Combined Fly Ash, Pozzolans, and Silica Fume: 35 percent with fly ash or pozzolans not

Combined Fly Ash or Pozzolans, Ground Granulated Blast-Furnace Slag, and Silica Fume:

heet Vapor Retarders: Place, protect, and repair sheet vapor retarder according to ASTM E 1643

Granular Course: Cover vapor retarder with granular fill, moisten, and compact with mechanical

Place and compact a 1/2-inch thick layer of fine-graded granular material over granular fill

1. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before

Clean reinforcement of loose rust and mill scale, earth, ice, and other foreign materials that would

Accurately position, support, and secure reinforcement against displacement. Locate and support

reinforcement with bar supports to maintain minimum concrete cover. Do not tack weld crossing

Install welded wire reinforcement in longest practicable lengths on bar supports spaced to minimize

Zinc-Coated Reinforcement: Repair cut and damaged zinc coatings with zinc repair material

according to ASTM A 780. Use galvanized steel wire ties to fasten zinc-coated steel reinforcement.

General: Construct joints true to line with faces perpendicular to surface plane of concrete.

B. Construction Joints: Install so strength and appearance of concrete are not impaired, at locations

sagging. Lap edges and ends of adjoining sheets at least one mesh spacing. Offset laps of adjoining

1. Weld reinforcing bars according to AWS D1.4/D 1.4M, where indicated.

Set wire ties with ends directed into concrete, not toward exposed concrete surfaces.

sheet widths to prevent continuous laps in either direction. Lace overlaps with wire.

Lap joints 6 inches and seal with manufacturer's recommended tape.

equipment to elevation tolerances of plus 0 inch or minus 3/4 inch.

nanufacturer's written instructions.

placing concrete.

reduce bond to concrete.

50 percent with fly ash or pozzolans not exceeding 25 percent and silica fume not exceeding

Wilmington, Delaware 19806 (302) 984-1400 FAX (302) 984-2957

Two Mill Road, Suite 210

G. Manual Flush Bolts: BHMA A156.16, Grade 1

according to UL 305.

aluminum framing.

Automatic and Self-Latching Flush Bolts: BHMA A156.3, Grade 1.

Cylinders: As specified in Section 087100 "Door Hardware.

number and include notation to be furnished by Owner

Panic Exit Devices: BHMA A156.3, Grade 1, listed and labeled by a testing and inspecting

agency acceptable to authorities having jurisdiction, for panic protection, based on testing

K. Strikes: Provide strike with black-plastic dust box for each latch or lock bolt; fabricated for

written instructions to ensure compatibility and adhesion. Preparation includes, but is not

Install anchors with separators and isolators to prevent metal corrosion and electrolytic

1. Where aluminum is in contact with dissimilar metals, protect against galvanic action by

painting contact surfaces with materials recommended by manufacturer for this purpose

limited to, cleaning and priming surfaces.

Comply with manufacturer's written instructions.

Fit joints to produce hairline joints free of burrs and distortion.

Seal perimeter and other joints watertight unless otherwise indicated.

deterioration and to prevent impeding movement of moving joints.

Do not install damaged components.

Rigidly secure nonmovement joints.

or by installing nonconductive spacers.

INSTALLATION

Keying: No master key system. Permanently inscribe each key with a visual key control

QUALITY ASSURANCE

approved by manufacturer.

Installer Qualifications: An entity that employs installers and supervisors who are trained and

Product Options: Information on Drawings and in Specifications establishes requirements for

by dimensions, arrangements, alignment, and profiles of components and assemblies as they

Structural-Sealant Glazing: Comply with ASTM C 1401 for design and installation of storefront

B. General: Provide entrance door hardware and entrance door hardware sets indicated in door and

Entrance Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and

Sequence of Operation: Provide electrified door hardware function, sequence of

a. Egress Doors: Not more than 15 lbf (67 N) to release the latch and not more than

Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove

For doors up to 87 inches (2210 mm) high, provide three hinges per leaf.

Continuous-Gear Hinges: Manufacturer's standard with stainless-steel bearings between

For doors more than 87 and up to 120 inches (2210 and up to 3048 mm) high,

in hinge pin, prevents removal of pin while entrance door is closed. Exterior Hinges: Stainless steel, with stainless-steel pin

b. Accessible Interior Doors: Not more than 5 lbf (22.2 N) to fully open door.

30 lbf (133 N)to set the door in motion and not more than 15 lbf (67 N) to open the

Offset-Pivot Hinges: Provide top, bottom, and intermediate offset pivots at each door B. Metal Protection:

frame schedule for each entrance door to comply with requirements in this Section

operation, and interface with other building control systems indicated.

named manufacturers' products

D. Butt Hinges: BHMA A156.1, Grade 1, radius corner.

provide four hinges per leaf.

knuckles, fabricated to full height of door and frame.

Mortise Auxiliary Locks: BHMA A156.5, Grade 1.

Opening-Force Requirements

relate to sightlines, to one another, and to adjoining construction

aesthetic effects and performance characteristics of assemblies. Aesthetic effects are indicated

Do not change intended aesthetic effects, as judged solely by Architect, except with

Architect's approval. If changes are proposed, submit comprehensive explanatory data to

Repairing Formed Surfaces: Surface defects include color and texture irregularities, cracks, spalls,

other discolorations that cannot be removed by cleaning.

air bubbles, honeycombs, rock pockets, fins and other projections on the surface, and stains and

Immediately after form removal, cut out honeycombs, rock pockets, and voids more than 1/2

inch in any dimension to solid concrete. Limit cut depth to 3/4 inch. Make edges of cuts

perpendicular to concrete surface. Clean, dampen with water, and brush-coat holes and voids

with bonding agent. Fill and compact with patching mortar before bonding agent has dried.

Fill form-tie voids with patching mortar or cone plugs secured in place with bonding agent.

portland cement so that, when dry, patching mortar will match surrounding color. Patch a test

area at inconspicuous locations to verify mixture and color match before proceeding with

patching. Compact mortar in place and strike off slightly higher than surrounding surface.

Repair defects on concealed formed surfaces that affect concrete's durability and structural

Repair defects on surfaces exposed to view by blending white portland cement and standard

□ FOR BIDDING

PROJECT

DELAWARE

TECHNICAL

COMMUNITY

DEVELOPMENT

PLAYGROUND

RENOVATION

DELAWARE

COMMUNIT

CHARLES L. TERRY JR. CAMPUS

COLLEGE

333 N. SHIPLEY STREET

COLLEGE

□ ISSUE

02/23/2018

Checked Approved

© 2018 TEVEBAUGH ARCHITECTUR

Project

12" = 1'-0"

Where aluminum is in contact with concrete or masonry, protect against corrosion by

15. Thompson IG, LLC

3.3 GLAZING, GENERAL

2. Final approval of color selections will be based on benchmark samples.

a. If preliminary color selections are not approved, apply additional benchmark samples of additional colors selected by Architect at no added cost to Owner

Two Mill Road, Suite 210 Wilmington, Delaware 19806 (302) 984-1400

FAX (302) 984-2957

PLAYGROUND RENOVATION 333 N. SHIPLEY STREET

DELAWARE TECHNICAL

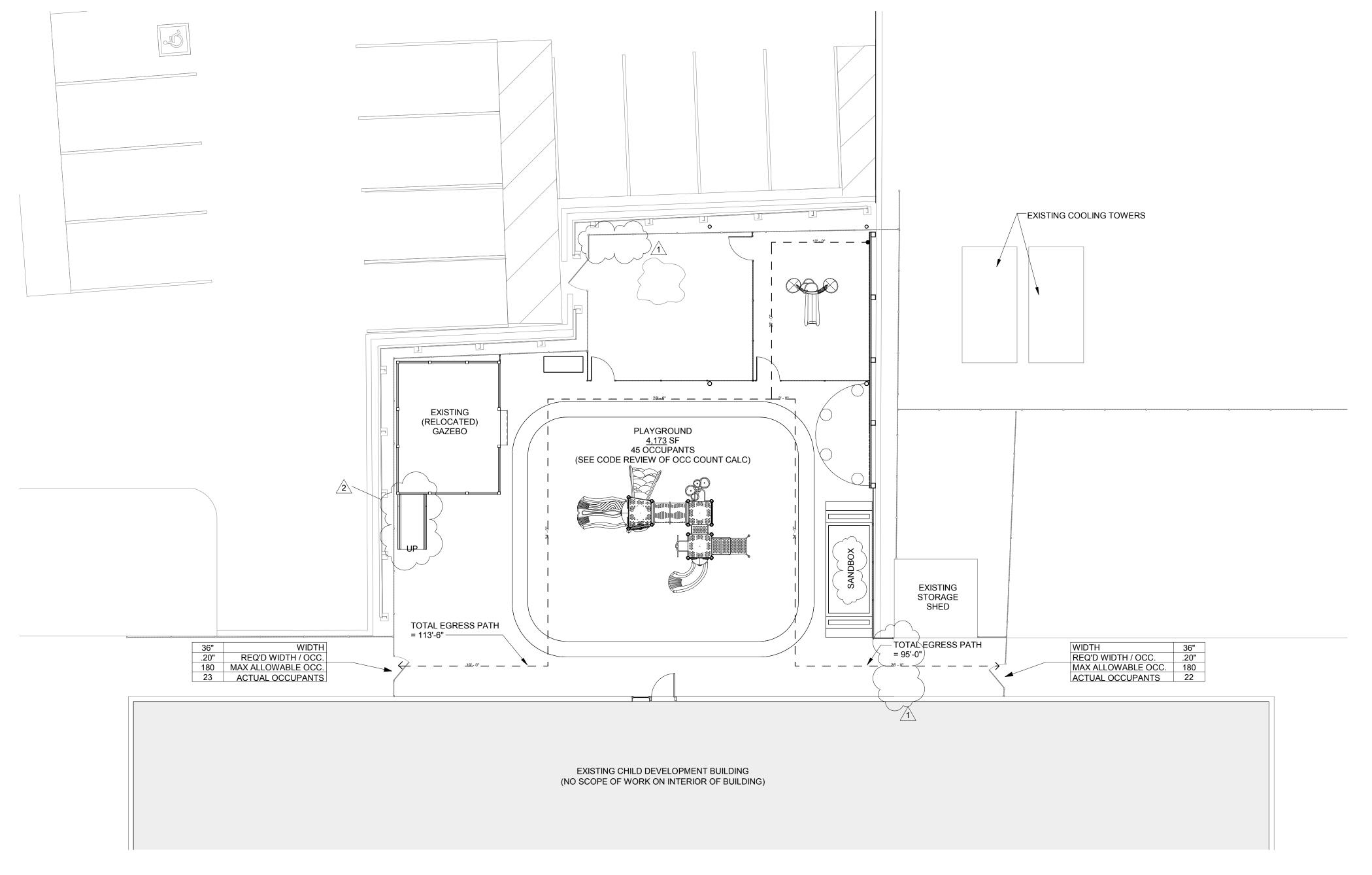
CHARLES L. TERRY JR. CAMPUS

SPECIFICATIONS

02/23/2018 12" = 1'-0"

© 2018 TEVEBAUGH ARCHITECTURE

Checker



PARTITION SYMBOLS / FIRE-RATING LEGEND

— - — - — ONE-HOUR FIRE RATING

— · · · · · · · · · · · TWO-HOUR FIRE RATING

FIRE EXTINGUISHER W/ WALL MOUNTED BRACKET

FIRE EXTINGUISHER CABINET (SEMI-RECESSED)

FIRE EXTINGUISHER CABINET (RECESSED)

LIFE SAFETY SYMBOLS

EGRESS SYMBOLS LEGEND

EGRESS DOOR CAPACITY

EGRESS STAIRS & CORRIDORS

44" STAIR WIDTH (INCHES)

36" DOOR WIDTH (INCHES)

0.30" WIDTH PER OCCUPANT (INCHES) 146 MAX NUMBER OF OCCUPANTS 24 ACTUAL NUMBER OF OCCUPANTS

0.20" WIDTH PER OCCUPANT (INCHES)

180 MAX NUMBER OF OCCUPANTS
24 ACTUAL NUMBER OF OCCUPANTS

PRELIMINARY DESIGN CODE RESEARCH APPLICABLE CODES

> ACCESSIBILITY AADJ / ANSI A117.1 - 2010 2012 INTERNATIONAL BUILDING CODE BUILDING ELECTRICAL

2012 INTERNATIONAL PLUMBING 2012 INTERNATIONAL ENERGY CONSERVATION CODE **ENERGY** 2009 IFC / 2015 NFPA / DE STATE FIRE PREVENTION REGULATIONS LIFE SAFETY 2015 LIFE SAFETY CODE / NFPA 101 MECHANICAL 2012 INTERNATIONAL MECHANICAL CODE

2012 INTERNATIONAL PLUMBING CODE

PROJECT SUMMARY

PLUMBING

PROJECT CONSISTS OF THE RENOVATION OF A EXISTING +/- 3,600SF PLAYGROUND. SCOPE OF WORK INCLUDES PROVIDING A NEW POURED IN PLACE RUBBER SURFACE, NEW PLAYGROUND EQUIPMENT, RELOCATION OF EXISTING GAZEBO, NEW SANDBOX, NEW DOOR FROM EXISTING BUILDING AND NEW SHADE STRUCTURE OF AN INFANT PLAY

2012 INTERNATIONAL EXISTING BUILDING CODE SUMMARY

CHAPTER 5 CLASSIFICATION OF WORK

504 ALTERATION LEVEL 2

504.1 Scope

- Level 2 alterations include the <u>reconfiguration of space</u>, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

*Arch Note: Project shall be classified as a Level 2 Alteration as it consists of reconfiguring an existing playground, adding additional equipment, and extension/replacement/modification of existing electrical and storm water management systems.

CHAPTER 8 ALTERATIONS LEVEL 2

805 MEANS OF EGRESS

805.1 Scope

- Requirements of this section are limited to work areas that include exits or corridors shared by more than one tenant within the work area in which Level 2 alterations are being performed, and where specified they shall apply throughout the floor on which the work areas are located or otherwise beyond the work

805.4.2 Door Swing

- In the work area and in the egress path from any work area to the exist discharge, all egress doors serving an occupant load greater than 50 shall swing in the direction of exit travel.

2012 INTERNATIONAL BUILDING CODE SUMMARY

CHAPTER 3 USE AND OCCUPANCY CLASSIFICATION

304 BUSINESS GROUP B

308.6 Institutional Group I-4

- Child daycare facility that cares for more than five persons fewer than 24 hours a day (non 24hr facility). - Construction Type: IIB

CHAPTER 10 MEANS OF EGRESS

1004 OCCUPANT LOAD

1004.5 Outdoor areas

- Yards, patios, courts and similar outdoor areas accessible to and usable by the building occupants shall be provided with means of egress as required by this chapter. The occupant load of such outdoor areas shall be assigned by the building official in accordance with the anticipated use. Where outdoor areas are to be used by persons in addition to the occupants of the building, and the path of egress travel from the outdoor areas passes through the building, means of egress requirements for the building shall be based on the sum of the occupant loads of the building plus the outdoor areas.

*Arch Note: "During normal operating hours the playground is utilized by the building occupants. This is not a public playground. This occupant load is already accounted for within the main building (Non-Simultaneous Occupancy)."

*Arch Note: The life safety plan demonstrates calculations for proposed occupant load that will be confirmed with the building official. Based on the capacity of existing child development center the playground has a maximum of 5 staff and 40 students.

1010 DOORS GATES AND TURNSTILES

1008.1.2 Door Swing

- doors shall swing in the direction of egress travel where serving a room or area containing an occupant load of 50 or more persons from group H occupancy.

- Adjacent Sprinklered Occupancy Max Travel Distance = 200' (NFPA governs with max travel distance of 150')

CHAPTER 31 SPECIAL CONSTRUCTION

3105 Awnings and Canopies

3105.3 Design and Construction

- Structural members shall be non combustible. (Proposed Canopy features steel columns)

3105.4 Canopy Materials

- Canopy material shall meet NFPA 701 requirements, or has a flame spread index not greater than 25 when tested in accordance with ASTM E84 or UL 723

NFPA 101 2015 CODE SUMMARY

CHAPTER 11 Special Structures and High-rise Buildings

- The proposed shade structure and gazebo are open structures - Per NFPA Chapter 11 the open structure is EXEMPT from capacity (11.2.2.3), emergency lighting (11.2.2.9), and projection of vertical openings (11.2.3.1).

CHAPTER 17: Existing Day-care Occupancies

17.1.6.1 Construction Type Limitation - Construction Type II(000) (Non Combustible) - Sprinklered, 1 Story, (Permitted)

17.2.6 Travel Distance to exits

(3) Travel distance shall not exceed 150'

PROJECT

□ **DELAWARE TECHNICAL** COMMUNITY **COLLEGE** CHILD **DEVELOPMENT** CENTER **PLAYGROUND RENOVATION**

Two Mill Road, Suite 210

(302) 984-1400

FAX (302) 984-2957

Wilmington, Delaware 19806

333 N. SHIPLEY STREET

DELAWARE TECHNICAL

COMMUNITY

COLLEGE CHARLES L. TERRY JR. CAMPUS

☐ LIFE SAFETY PLAN AND CODE REVIEW

☐ FOR BIDDING

□ ISSUE
 NO.
 DATE
 DES

 2
 03/23/2018
 BID ADDENDUM 2

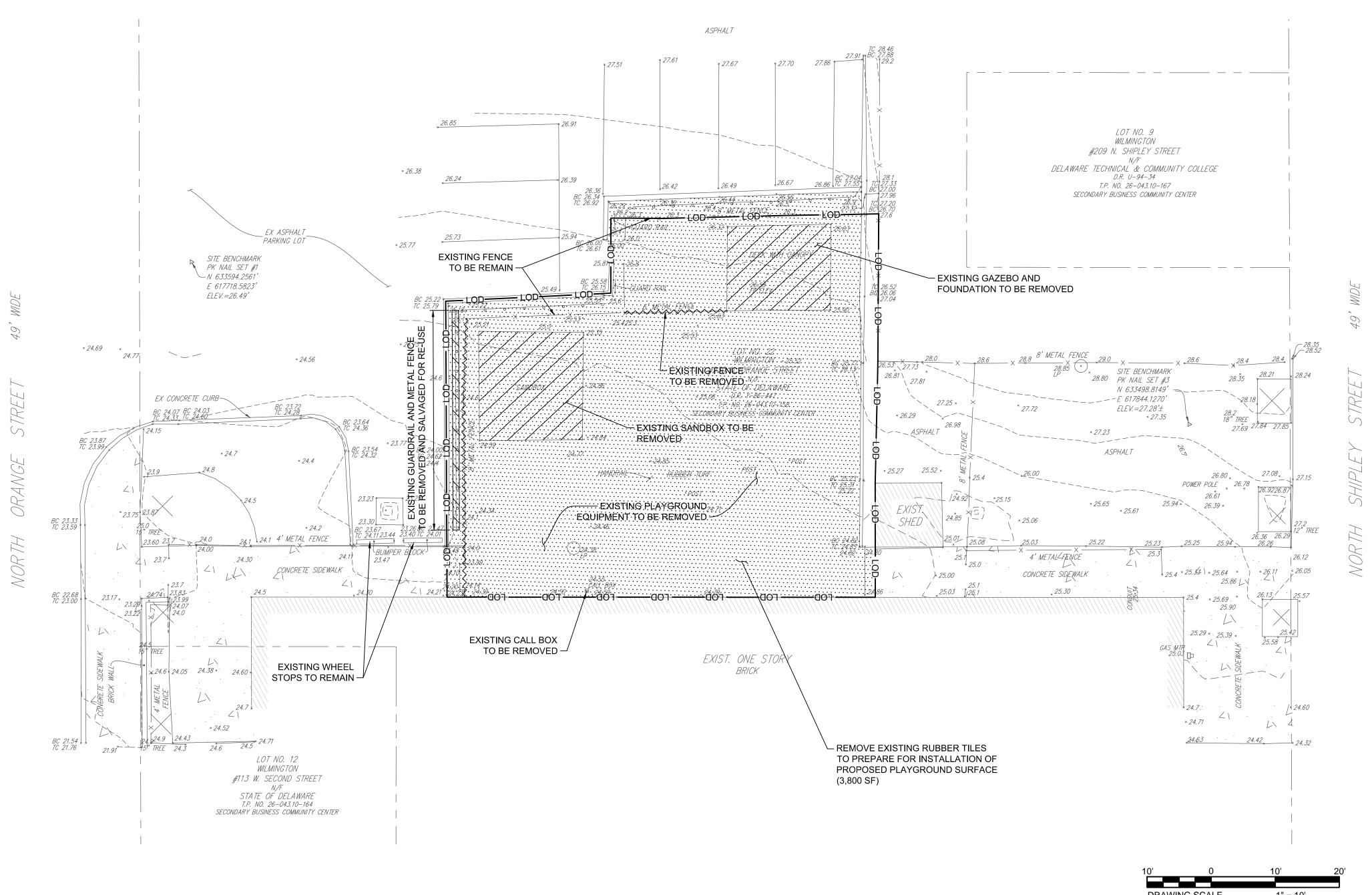
 1
 03/09/2018
 BID ADDENDUM 1
 02/23/2018

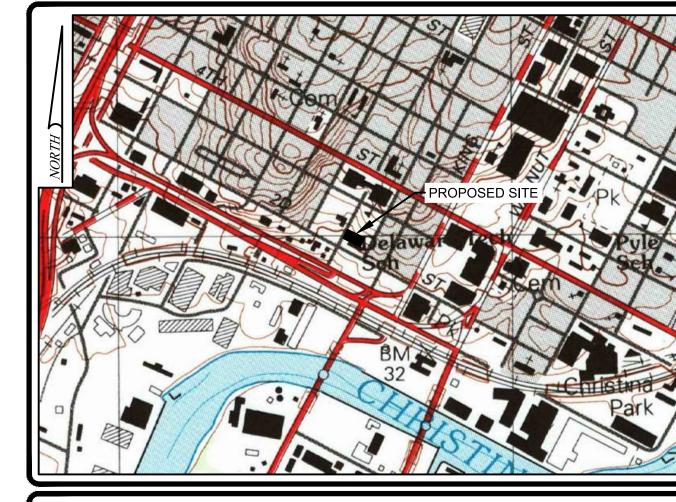
Date Scale Drawn Checked Approved Project

As indicated

© 2018 TEVEBAUGH ARCHITECTURE







MAP: USGG MAP WILMINGTON **LOCATION MAP**

SCALE: 1" = 800'

SITE DATA:

OWNER:

SURVEY:

5. DATUM:

1. SITE ADDRESS: 230 N. ORANGE STREET WILMINGTON, DE 19801 STATE OF DELAWARE P.O. BOX 8 BEAR, DE 19701

ZONING: C-2 (SECONDARY BUSINESS COMM CENTER)

> TITLED "A PORTION OF DELAWARE TECHNICAL AND COMMUNITY COLLEGE ALSO KNOWN AS #230 NORTH ORANGE STREET" PREPARED BY TRANSITION

ENGINEERING SURVEY AND DATED AUGUST 26, 2017 DELAWARE STATE PLANE NAD 83 NAVD 88

6. FLOODPLAIN: THE SITE IS NOT WITHIN THE 100-YEAR FLOOD PLAIN

ACCORDING TO FEMA FIRM MAP #10003C0156K DATED FEBRUARY 4, 2015.

PROJECT NOTES

- 1. THE PURPOSE OF THESE DRAWINGS IS TO DEPICT PROPOSED RENOVATIONS TO THE EXISTING PLAYGROUND LOCATED AT THE DELAWARE TECHNICAL COMMUNITY COLLEGE CHILD DEVELOPMENT CENTER.
- 2. PROPOSED RENOVATIONS INCLUDE THE INSTALLATION OF A NEW PLAYGROUND SURFACE MATERIAL, NEW PLAY EQUIPMENT, ASSOCIATED STRUCTURES, FENCING, AND AN ENTRANCE TO THE EXISTING BUILDING THAT ADJOINS THE PLAYGROUND AREA.
- 3. THE CONTRACTOR SHALL REFER TO THE ARCHITECT'S DRAWINGS FOR SPECIFICATIONS REGARDING THE PLAYGROUND EQUIPMENT, FOOTING AND INSTALLATION OF THE EQUIPMENT, AND THE PROPOSED DOOR.

SITE UTILITIES

- 1. THESE DRAWINGS ARE MADE FROM AVAILABLE INFORMATION AT THE TIME THE DRAWINGS WERE PREPARED. COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT MISS-UTILITY OF DELMARVA (TELEPHONE 1-800-282-8555) NO LESS THAN 72 HOURS PRIOR TO INITIATING INTRUSIVE WORK. THE CONTRACTOR SHALL CONTACT THE OWNERS OF UTILITIES AT RISK AS A RESULT OF CONDUCTING THE WORK HEREIN. THE CONTRACTOR SHALL CONSULT WITH UTILITY OWNERS TO OBTAIN THE MOST ACCURATE INFORMATION AVAILABLE WITH REGARD TO UTILITY ELEVATION AND LOCATION.
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE EXISTING UTILITIES (E.G. GAS. WATER, SEWER, ELECTRIC, TELEPHONE, ETC.) PRIOR TO COMMENCING ANY WORK ON THE PROJECT. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DISRUPTION OR DAMAGES DONE TO UTILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED TO THE SATISFACTION OF THE INVOLVED UTILITY COMPANY AT THE SOLE EXPENSE OF THE CONTRACTOR.
- 3. THE CONTRACTOR SHALL ASSUME THAT NO UTILITY SERVICE WILL BE PROVIDED ON-SITE TO SUPPORT THIS PROJECT.

DEMOLITION NOTES

TOTAL DISTURBED AREA: 4,173 SF (0.10 AC±)

- 1. CONTRACTOR SHALL REMOVE/DEMOLISH EXISTING FEATURES AS SHOWN ON THIS PLAN. QUESTIONS SHOULD BE DIRECTED TO THE DESIGN ENGINEER.
- 2. CONTRACTOR SHALL REMOVE EXISTING WHEEL STOPS LOCATED AROUND THE PERIMETER OF THE EXISTING PLAYGROUND. A TOTAL OF SEVEN WHEEL STOPS SHALL
- BE PRESERVED FOR USE AT THE SITE AS PART OF THE PROPOSED CONDITIONS. 3. CONTRACTOR SHALL REMOVE EXISTING SANDBOX AND GAZEBO FROM THE EXISTING PLAYGROUND AREA. IF FOUNDATION FEATURES ARE PRESENT, THEY SHALL BE REMOVED AS NECESSARY TO INSTALL PROPOSED PLAYGROUND SURFACE.

COLLEGE **DEMOLITION** COMMUNITY CONDITIONS

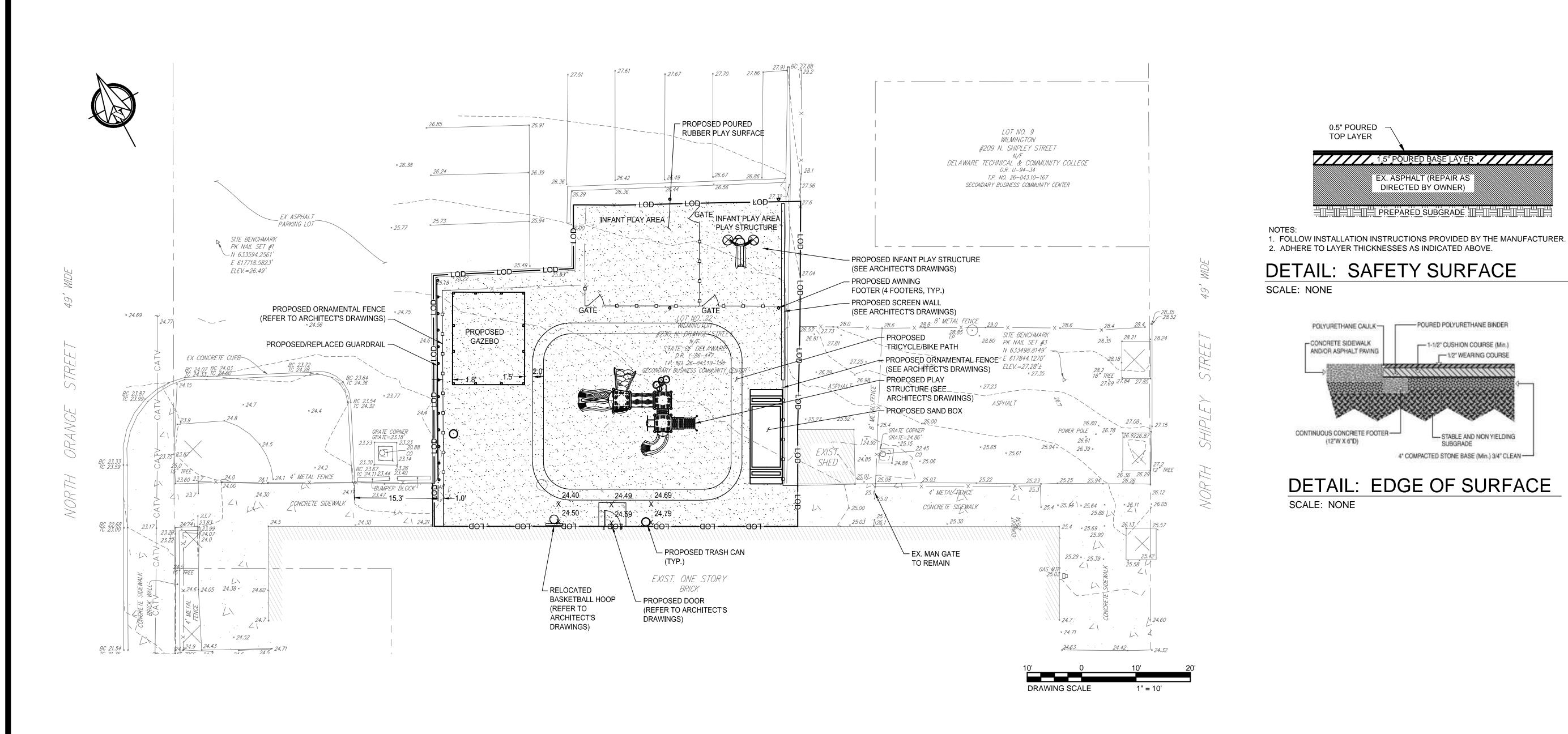
GROUND

CEN VELOPMENT DE **TECHNICAL** CHILD **WILMINGTON**

DATE: 21 FEBRUARY 2018 **AS SHOWN** SCALE:

DELAWARE

PROJECT NO. 11392.CA 1 OF 2 SHEET:



CONSTRUCTION NOTES

0.5" POURED

TOP LAYER

CONTINUOUS CONCRETE FOOTER

(12°W X 6°D)

- 1. INSTALL SAFETY SURFACE LAYERS TO THE MINIMUM DEPTH SPECIFIED IN THE DETAIL. 2. FOLLOW MANUFACTURER'S INSTALLATION DIRECTIONS FOR INSTALLING SAFETY
- 3. INSTALL THE SAFETY SURFACE TO MATCH EXISTING GRADE WHERE SAFETY SURFACE
- MEETS EXISTING ASPHALT PARKING LOT AND CONCRETE SIDEWALK. REFER TO DETAIL FOR PREPARING EDGE OF SAFETY SURFACE. 4. PROPOSED SAFETY SURFACE SPOT GRADES HAVE BEEN PROVIDED IN THE REGION OF
- THE PROPOSED DOORWAY. CONTRACTOR SHALL CONFIRM THAT PROPOSED SPOT GRADES OUTSIDE THE PROPOSED DOORWAY MATCH THE EXISTING ELEVATION INSIDE THE BUILDING.
- 5. REFER TO ARCHITECT'S DRAWINGS FOR SPECIFIC INFORMATION REGARDING AWNING, FURNITURE, PLAY EQUIPMENT, AND ASSOCIATED FOOTERS.

1.5" POURED BASE LAYER

EX. ASPHALT (REPAIR AS DIRECTED BY OWNER)

BIDDING ONLT	REVISION CHK'D BY DESIG	AJM	DRAW.	AJM	PRELIMINARY	NOT FOR	CONSTRUCTION —		
ש אר					PRELI	LON	CONST		
•	No.								

 \mathbf{X}

ONCRETE SIDEWALK ND/OR ASPHALT PAVING 1-1/2" CUSHION COURSE (Min.) 1/2" WEARING COURSE	POLYURETHANE CAULK	POURED POLYURETHANE BINDER
→ \(\(\)	ONCRETE SIDEWALK	-1-1/2" CUSHION COURSE (Min.)
	→	

DETAIL: EDGE OF SURFACE SCALE: NONE

- STABLE AND NON YIELDING

SUBGRADE

4" COMPACTED STONE BASE (Min.) 3/4" CLEAN

COLLEGE COMMUNITY **GRADING PLAN TECHNICAL** YGROUND **DELAWARE**

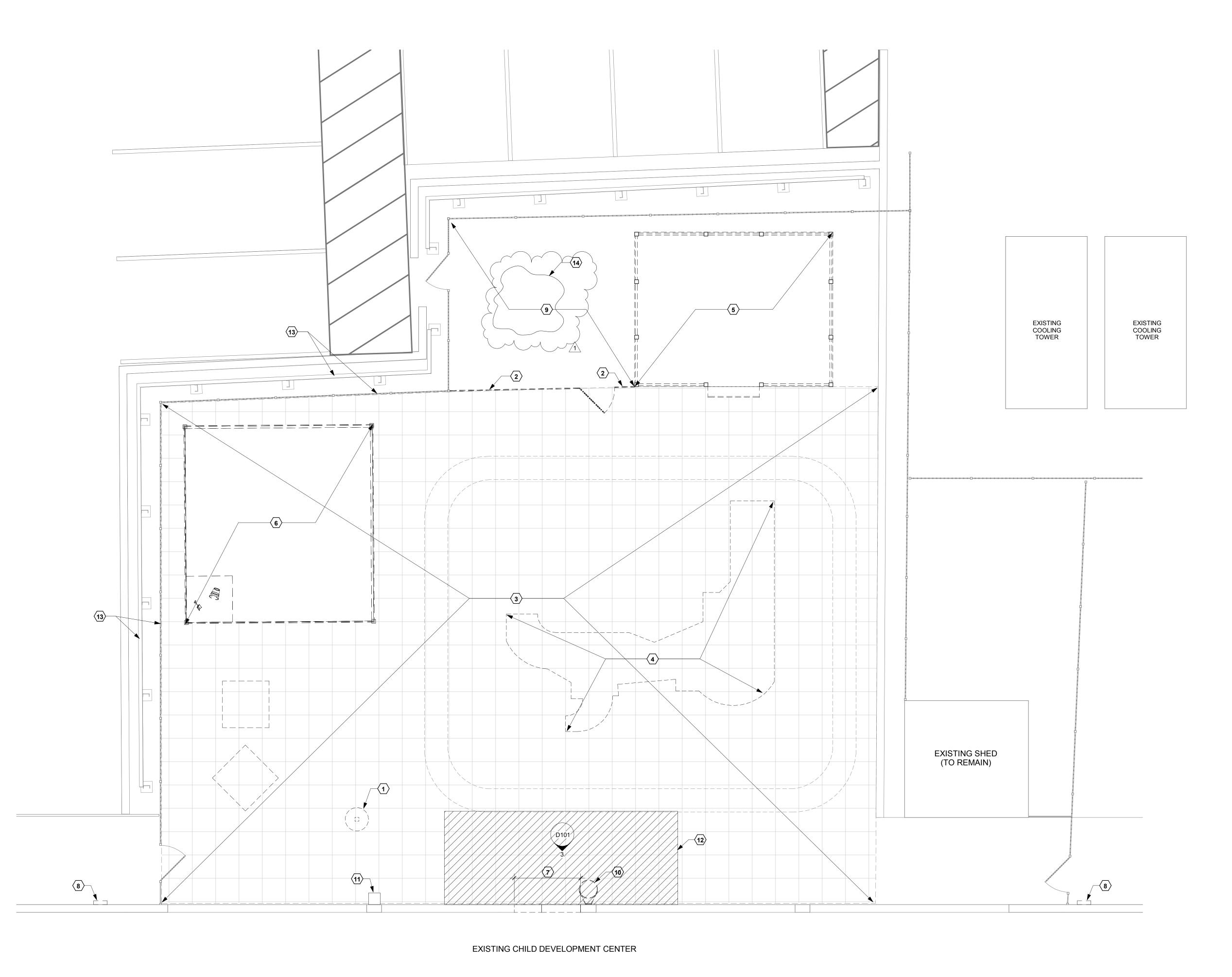
CENTER

CHILD DEVELOPMENT

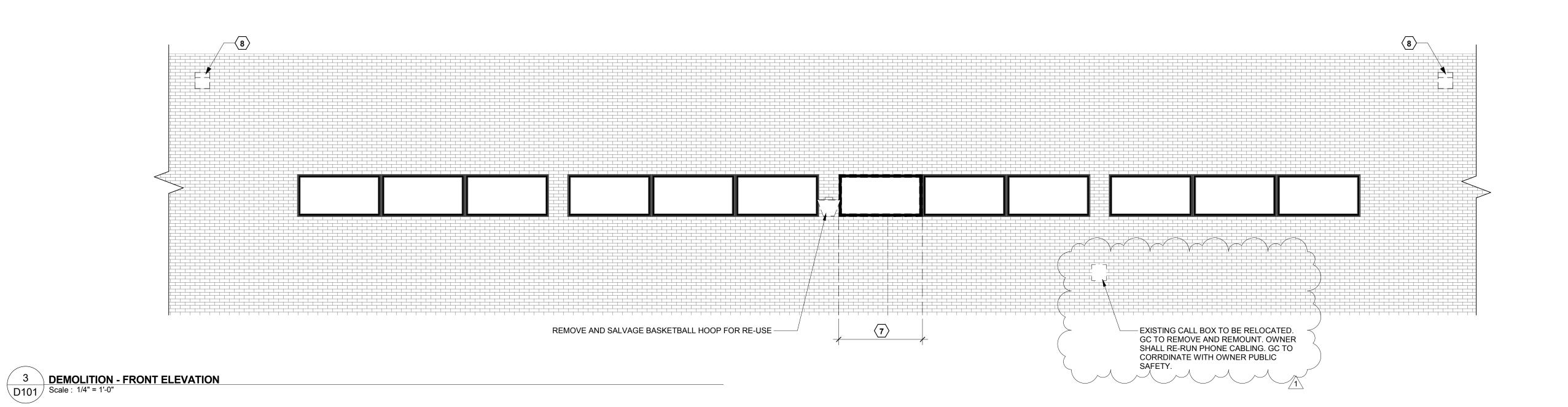
WILMINGTON

SCALE: PROJECT NO.

DATE: 21 FEBRUARY 2018 AS SHOWN 11392.CA 2 OF 2 SHEET:







GENERAL NOTES

- A. EXISTING FOUNDATIONS TO BE REMOVED AS REQUIRED TO NOT INTERFERE WITH NEW PROPOSED CONSTRUCTION
- B. SEE CIVIL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS
- C. SEE BUILDING ELEVATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS
- D. MAJORITY OF EXISTING ALUMINUM FENCING AND GATES ARE EXISTING TO REMAIN.
 ONLY DEMOLISH EXISTING FENCING SPECIFICALLY CALLED OUT BY KEY NOTE 2

KEY NOTES

- DEMOLISH EXISTING LIGHT POST AND FOUNDATION. CAP ELECTRICAL CONDUIT BELOW GRADE. MAKE WIRES SAFE
- 2 DEMOLISH EXISTING FENCE
- DEMOLISH EXISTING RUBBER TILE FLOOR AND PREPARE SURFACE FOR NEW WORK
- DEMOLISH PLAYGROUND EQUIPMENT. EXTENTS OF DEMOLITION TO BE FLUSH WITH EXISTING GRADE OF ASPHALT. DEMOLITION OF STRUCTURE BELOW ASPHALT TO BE COORDINATED WITH ANY CONFLICTS OF NEW PLAYGROUND EQUIPMENT AT CONTRACTORS EXPENSE
- EXISTING GAZEBO TO BE RELOCATED. COORDINATE TEMPORARY STAGING AREA WITH OWNER
- 6 DEMOLISH SANDBOX AND FOUNDATION IN ITS ENTIRETY
- DEMOLISH PORTION OF EXISTING EXTERIOR MASONRY WALL AND WINDOW. PREPARE MASONRY FOR INSTALLMENT OF ALUMINUM STOREFRONT DOOR SYSTEM. REFER TO DEMOLITION ELEVATION FOR THE EXTENTS OF DEMOLITION
- LIGHT FIXTURES TO BE REPLACED WITH NEW. SEE DEMOLITION ELEVATION FOR EXTENTS
- DEMOLISH ASTROTURF AND RUBBER TILES DOWN TO ASPHALT SURFACE
- REMOVE AND SALVAGE BASKETBALL HOOP FOR RE-USE
- REMOVE AND SALVAGE EXISTING CALL BOX TO FOR RE-USE. CORRDINATE WITH PUBLIC SAFTEY
- CONTRACTOR TO PROVIDE BREAKOUT COST AS REQUESTED ON BID FORM TO REMOVE EXISTING ASPHALT IN THE HATCHED AREA. EXISTING ELEVATION AT NEW DOOR WILL DETERMINE THE NEED FOR THIS SCOPE OF WORK TO AVOID SLOPING BACK TO THE NEW DOOR
- GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ANY TEMPORARY REMOVAL OF GAURDRAIL OR FENCING IN THE EVENT HEAVY MACHINERY IS REQUIRED FOR DEMOLITION ON SITE. REMOVAL OF EITHER TYPE SHALL BE SALVAGED AND REINSTALLED BACK TO EXISTING LOCATION IN EXISTING CONDITION
- REMOVE AND SALVAGE EXISTING EQUIPMENT FOR RE-US

PROJECT

□ DELAWARE
TECHNICAL
COMMUNITY
COLLEGE
CHILD
DEVELOPMENT
CENTER
PLAYGROUND
RENOVATION

Two Mill Road, Suite 210

(302) 984-1400 FAX (302) 984-2957

Wilmington, Delaware 19806

333 N. SHIPLEY STREET

OWNER

DELAWARE
TECHNICAL
COMMUNITY
COLLEGE

CHARLES L. TERRY JR. CAMPUS

DEMOLITION SITEPLAN

☐ FOR BIDDING

□ ISSUE

NO. DATE DESCRIPTION

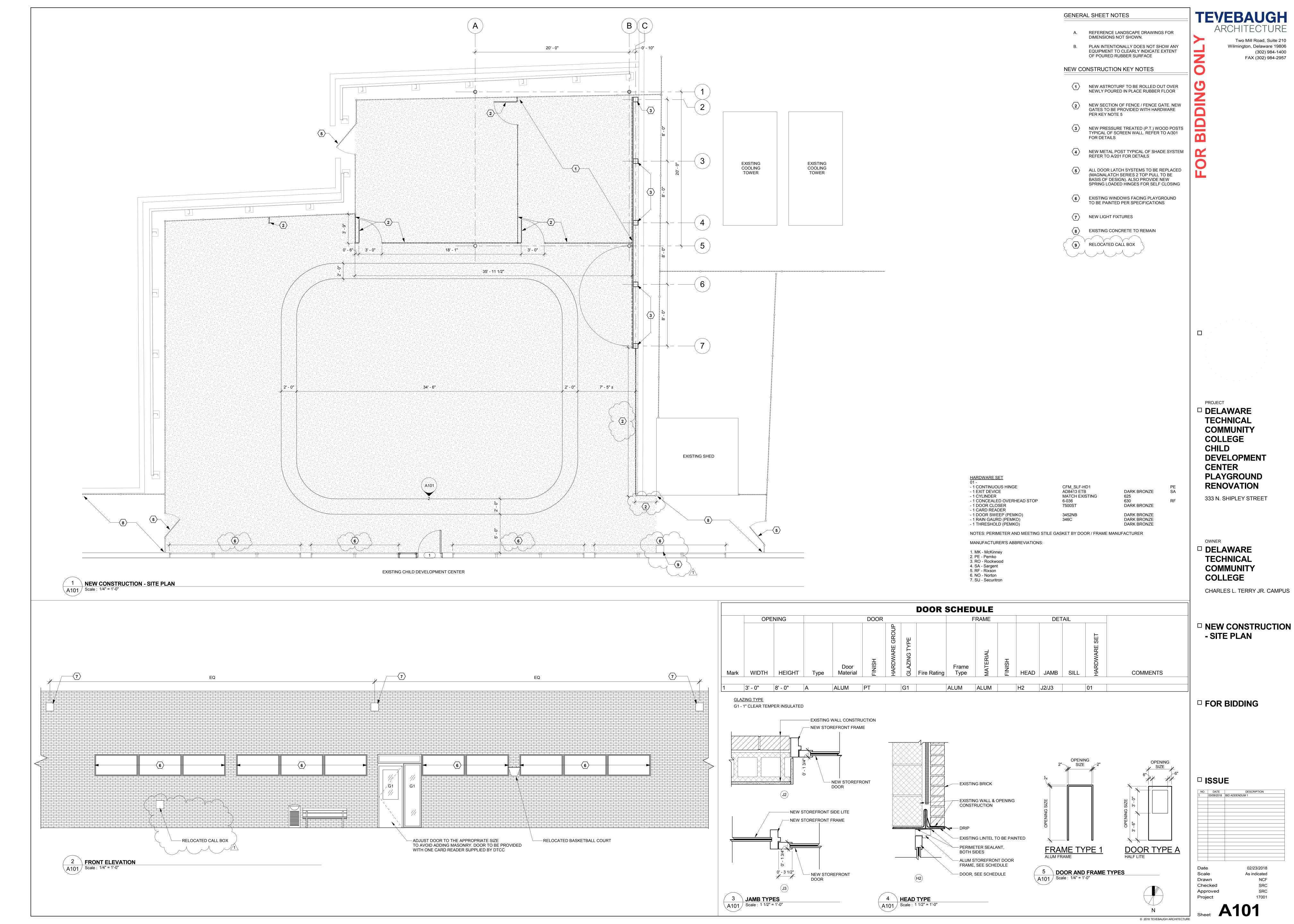
1 03/09/2018 BID ADDENDUM 1

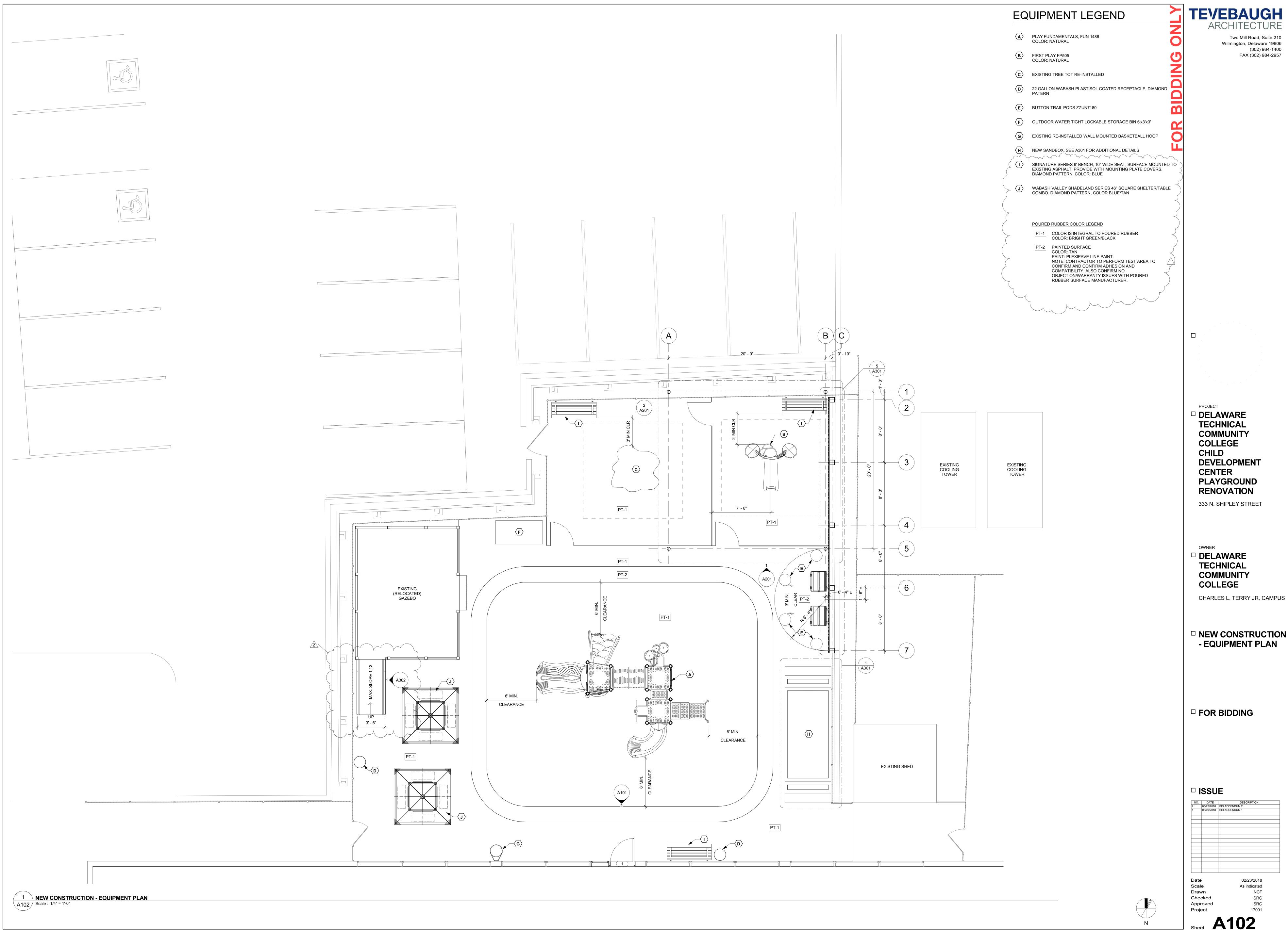
Date Scale Drawn Checked Approved

© 2018 TEVEBAUGH ARCHITECTURE

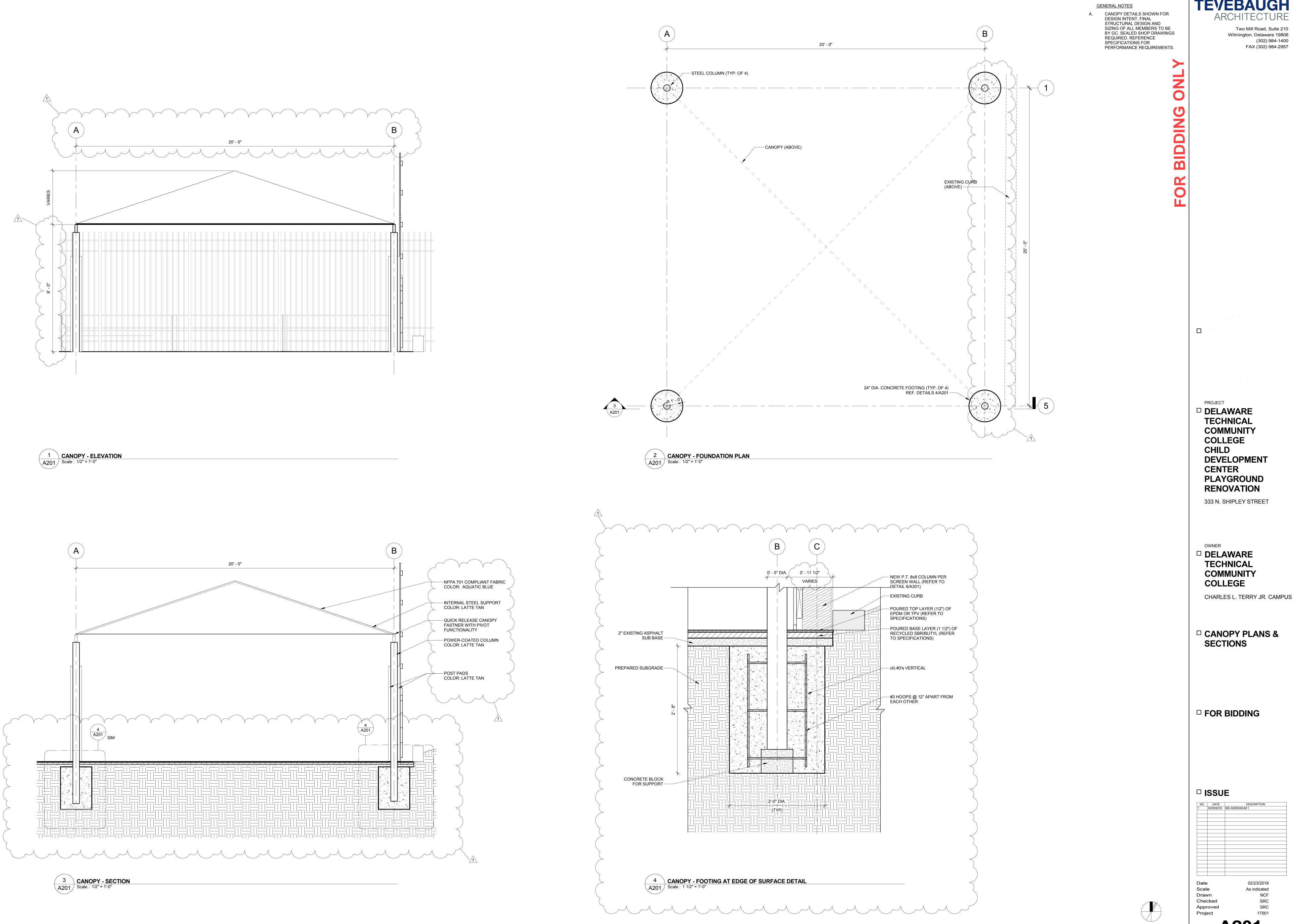
02/23/2018
As indicated
NCF
SRC
SRC
17001

Project 17001
Sheet D101





TEVEBAUGH

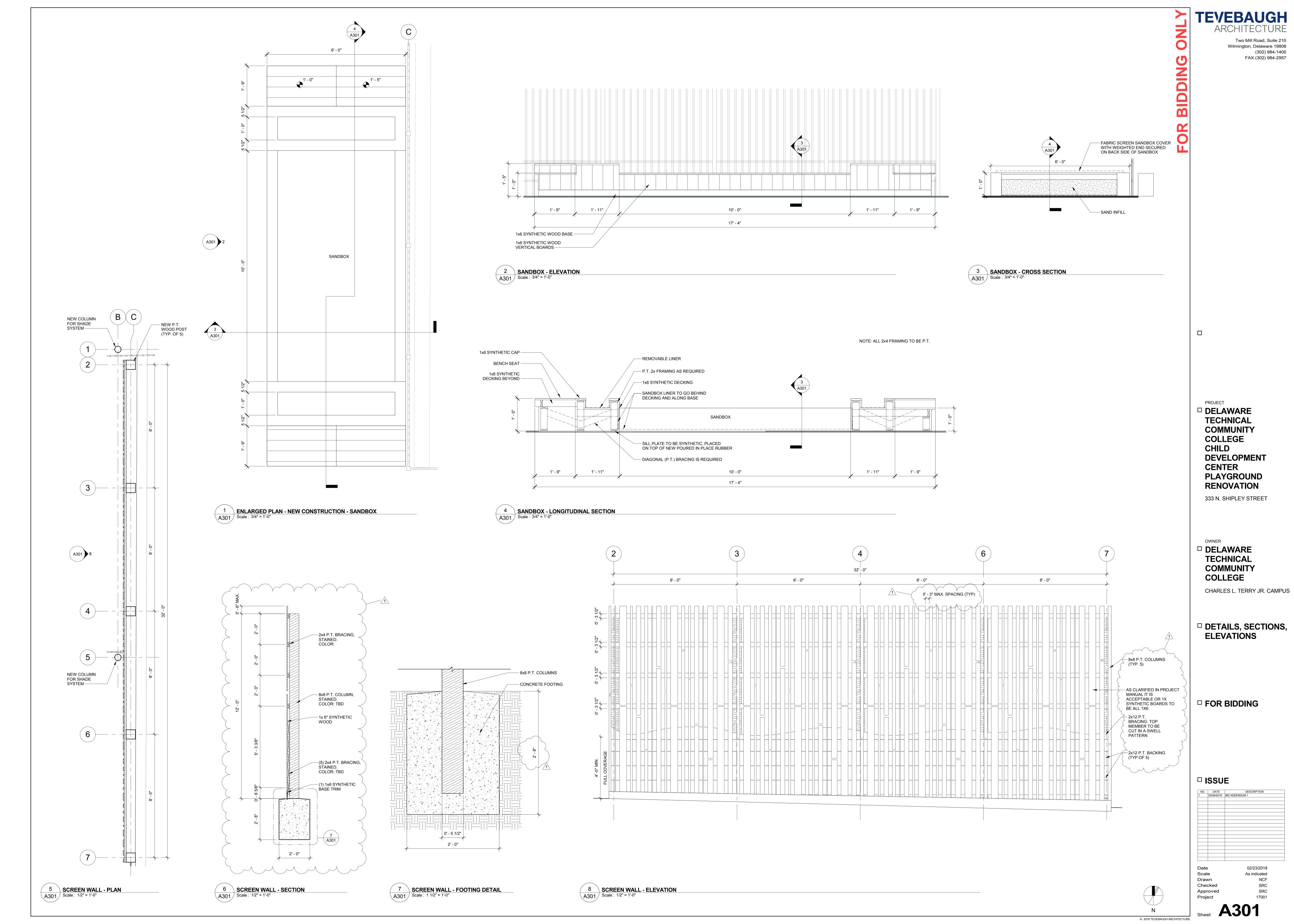


Two Mill Road, Suite 210

Wilmington, Delaware 19806 (302) 984-1400 FAX (302) 984-2957

☐ CANOPY PLANS &

© 2018 TEVEBAUGH ARCHITECTURE



PROJECT

□ **DELAWARE**

TECHNICAL

COMMUNITY

DEVELOPMENT

PLAYGROUND

333 N. SHIPLEY STREET

RENOVATION

□ **DELAWARE**

COLLEGE

TECHNICAL

COMMUNITY

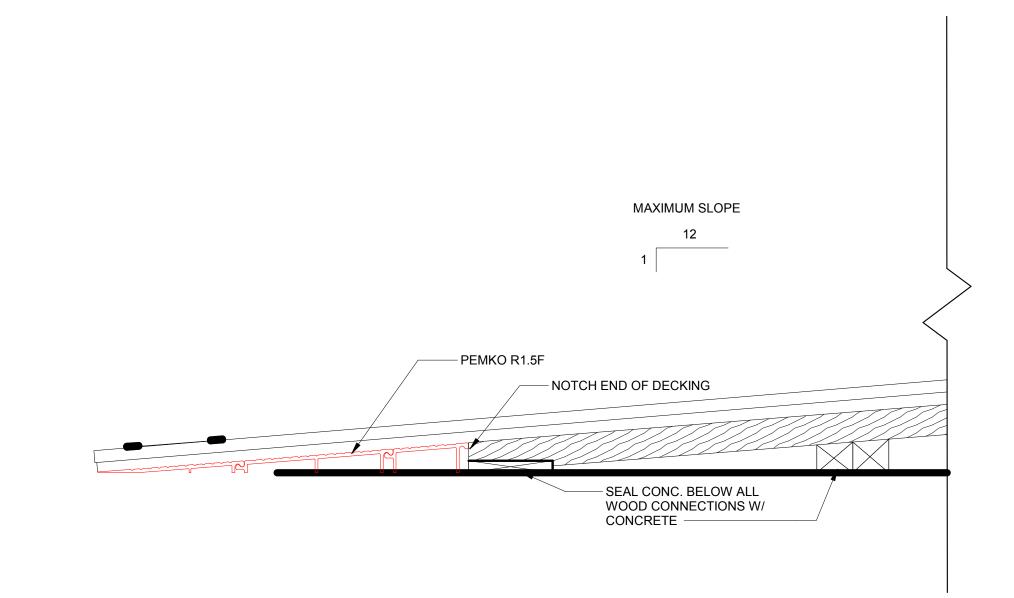
CHARLES L. TERRY JR. CAMPUS

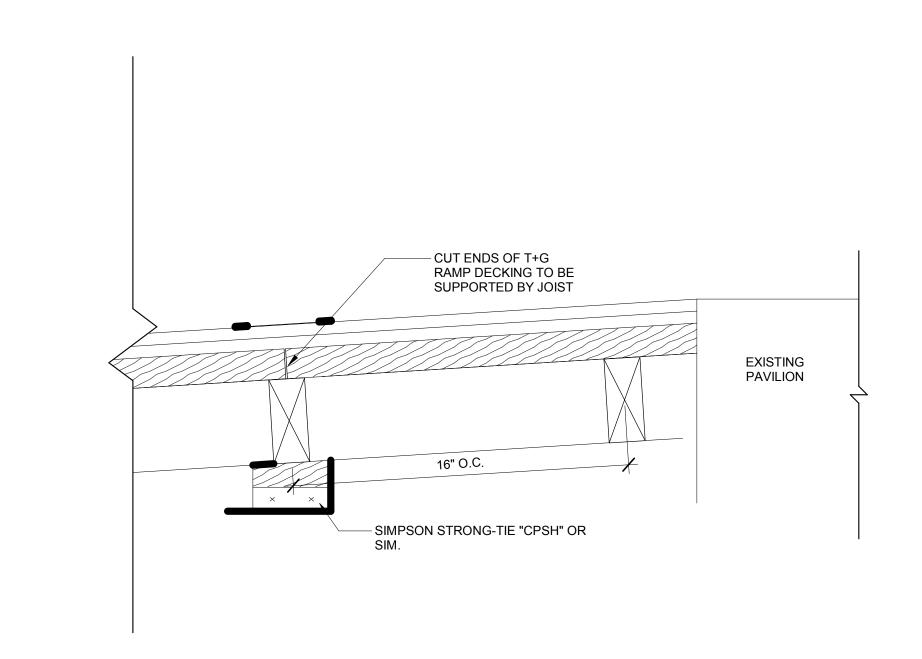
DETAILS, SECTIONS, ELEVATIONS

COLLEGE

CHILD

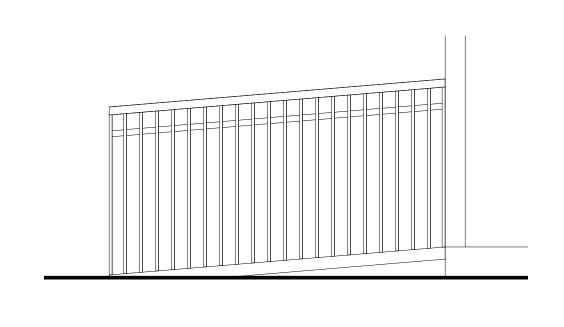
CENTER





EXIST. FENCE — INTEGRATED HAND RAIL - METAL RAILING — METAL RAILING TREX COMPOSITE DECKING — 5 1/2" ± L 2X6 — (3) 2X6 STRINGERS CUT TO FIT — NOTE: ALL WOOD TO BE PT. AT RAMP LOCATION SIMPSON STRONG-TIE LPCZ POST CAP OR SIM. 4X4 POST — SIMPSON STRONG-TIE LUS JOIST HANGER OR SIM. 2'X4' @ 16" O.C. — SIMPSON STRONG-TIE "CPHS" OR SIM. 2 RAMP SECTION
A302 Scale: 1 1/2" = 1'-0"

3 RAMP AND RAILING DETAILS
A302 Scale: 3" = 1'-0"



1 RAMP ELEVATION
A302 Scale: 1/2" = 1'-0"

© 2018 TEVEBAUGH ARCHITECTURE

□ ISSUE
 NO.
 DATE
 DESC

 2
 03/23/2018
 BID ADDENDUM 2

☐ FOR BIDDING

Date Scale Drawn Checked Approved

02/23/2018 As indicated SRC SRC 17001 Project